



PROJECT ENVVEST

COMMUNITY ADVISORY COMMITTEE

MEETING

27 April 04





PROJECT ENVVEST PROGRESS AND STATUS

- **Brief History**
- **Schedule**
- **Significant Accomplishments**
- **Where we are going**



***Bridging
the Gaps
Among
Industrial
Facilities,
Regulatory
Agencies,
and the
Public:
Leveraging
Resources
and
Building
Capacity***

HISTORY

- **ENVVEST = ENVironmental inVESTment**
- **Agencies working together to achieve cost effective environmental results while eliminating needless bureaucratic procedures.**
- **PSNS & IMF Project ENVVEST began Summer 2000**

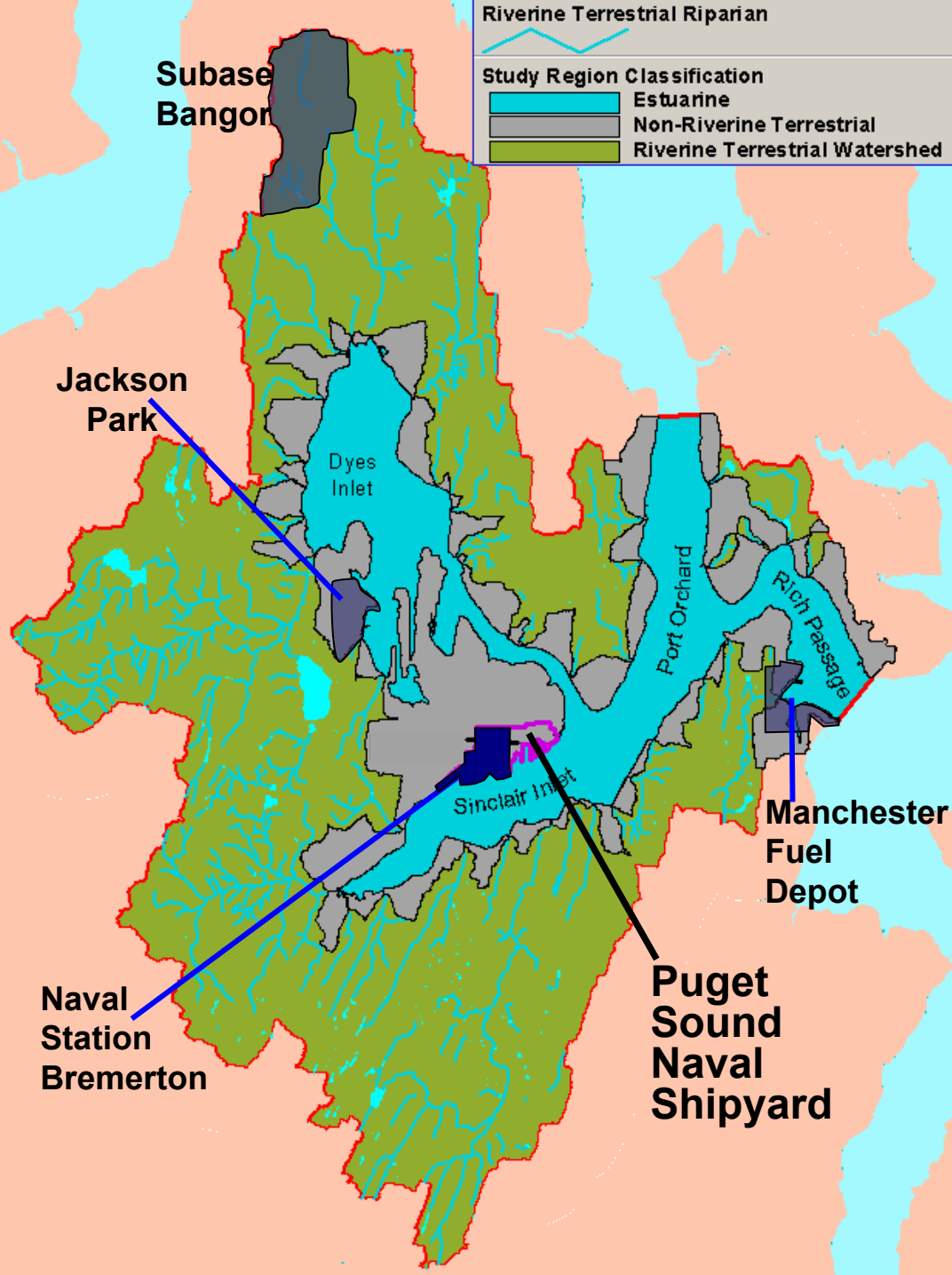


PROJECT PARTICIPANTS

- PSNS & IMF
- Ecology
- EPA
- SPAWARSYSCEN
- Battelle Marine Science Lab
- Army Corps of Engineers
- University of Washington
- Kitsap Public Utilities District
- Kitsap County Surface and Storm Water Management
- The Environmental Company
- Navy Region Northwest
- Engineering Field Activity-Northwest
- Cities of Bremerton, Port Orchard, and Bainbridge Island
- Kitsap County Health District
- Kitsap County Community Development
- Suquamish Tribe
- Department of Health
- Department of Fish and Wildlife
- Karcher Creek Sewer District



PSNS & IMF Project ENVVEST Overall Schedule																																	
Calendar Year		2000				2001				2002				2003				2004				2005				2006				2007			
Quarter		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Project ENVVEST		K FPA																															
Model Development																																	
Ecostudies																																	
Public Involvement																																	
FC TMDL Study (Inlets)																																	
FC TMDL Study (Streams)																																	
Metal Sediment/Tissue TMDL																																	
Sediment Metals Verification Study																																	
Biota Study																																	
Water Quality Monitoring/Modeling																																	
Organics TMDL																																	
DO TMDL																																	
Completed																																	
Plan																																	
K ENVVEST Public Kickoff Meeting																																	
FPA Final Project Agreement Signed (Sept. 2000)																																	



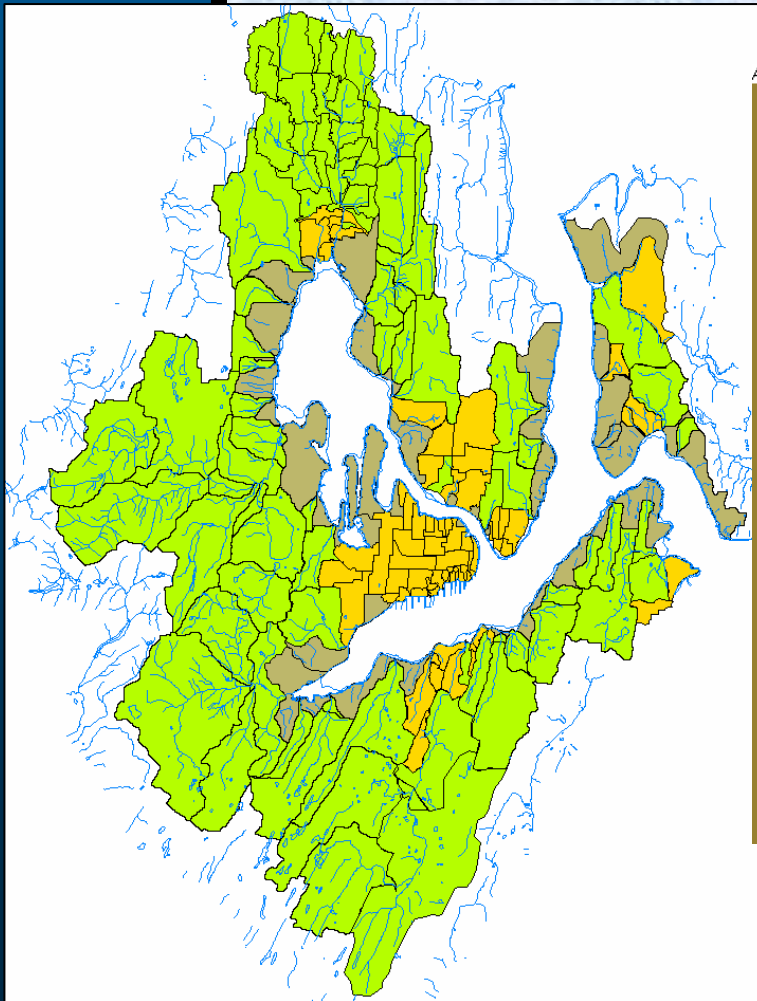
Project Approach:

- Measure how much is in the system already.
- Measure how much is entering the system.
- What happens to pollutants in the Inlets.



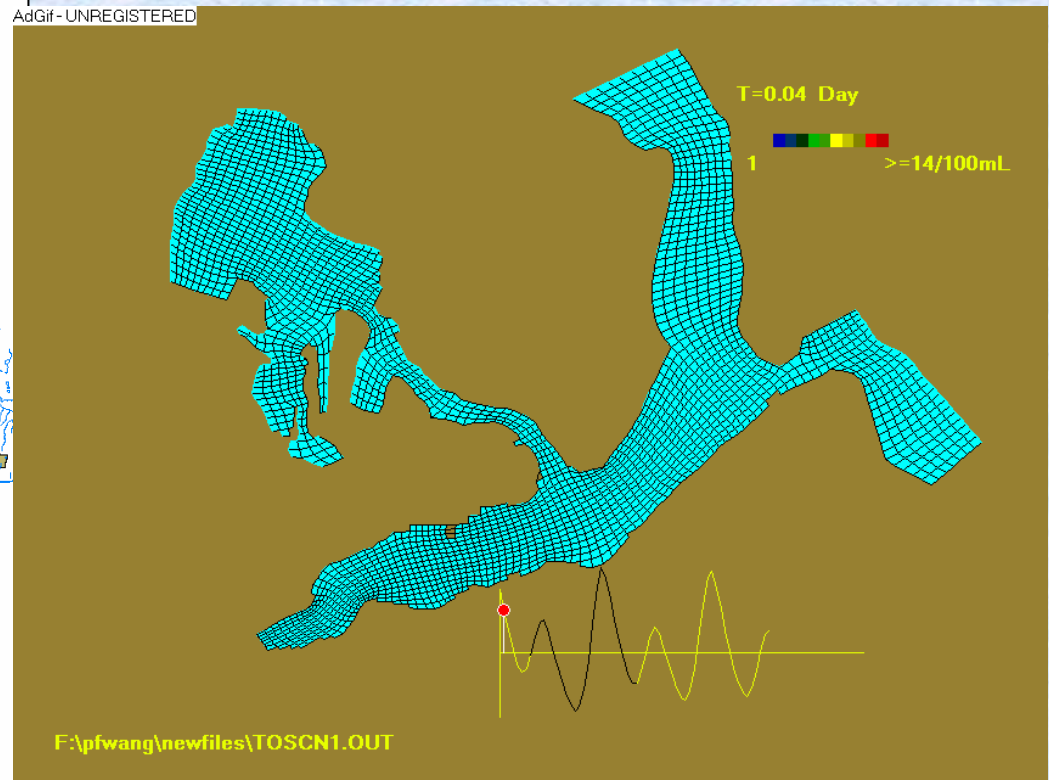
MODELING STUDIES

Watershed Model



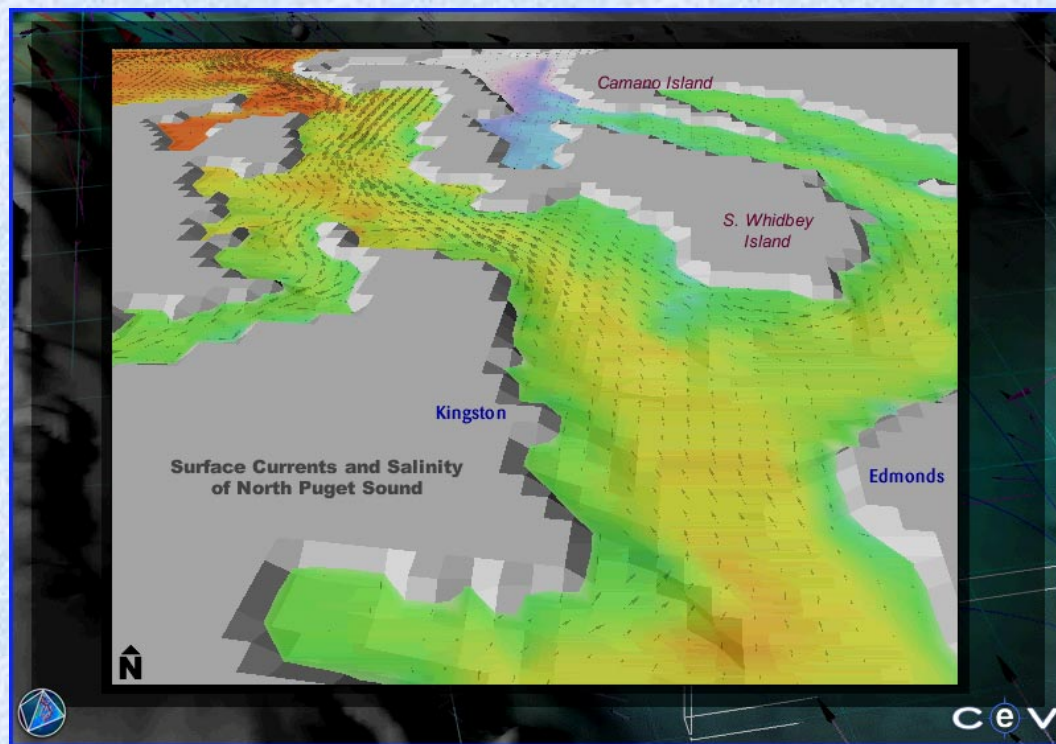
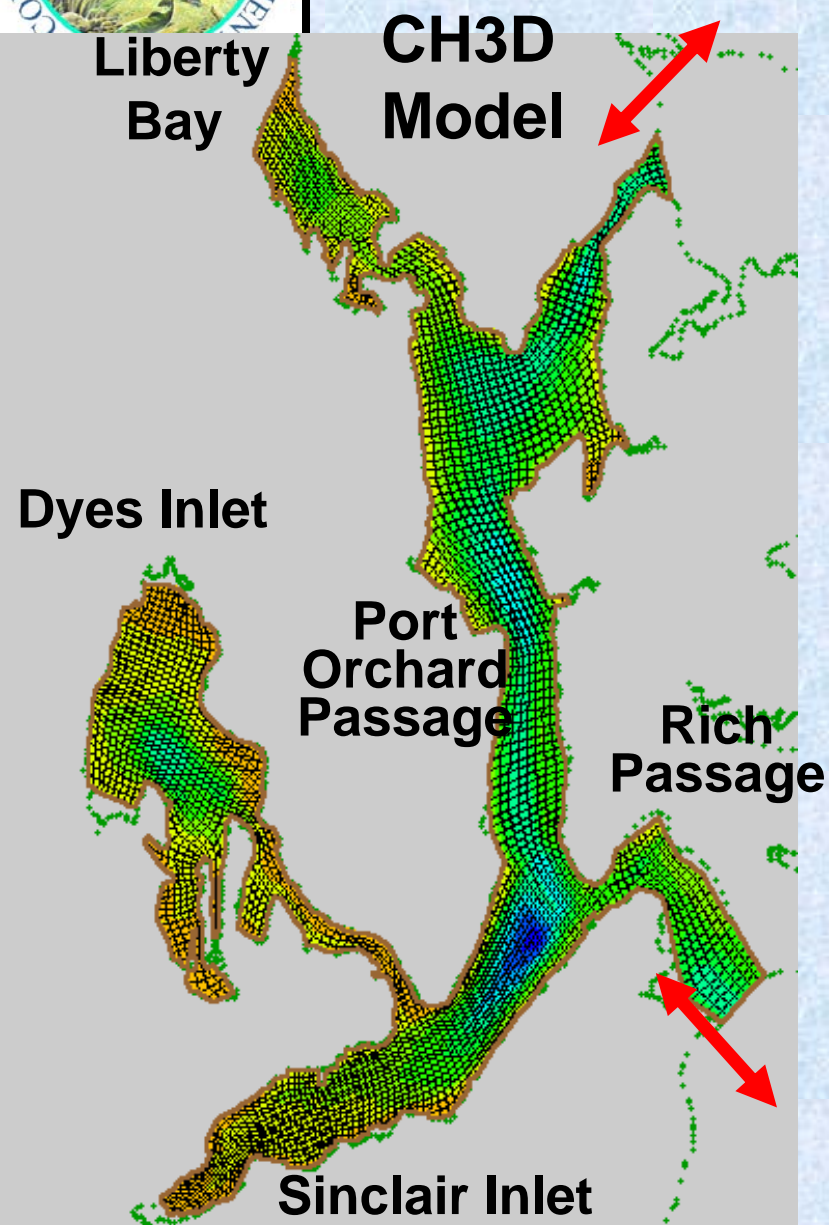
Inlet Model

AdGif - UNREGISTERED





LINKAGE WITH UW PUGET SOUND MESOSCALE MODEL



Puget Sound



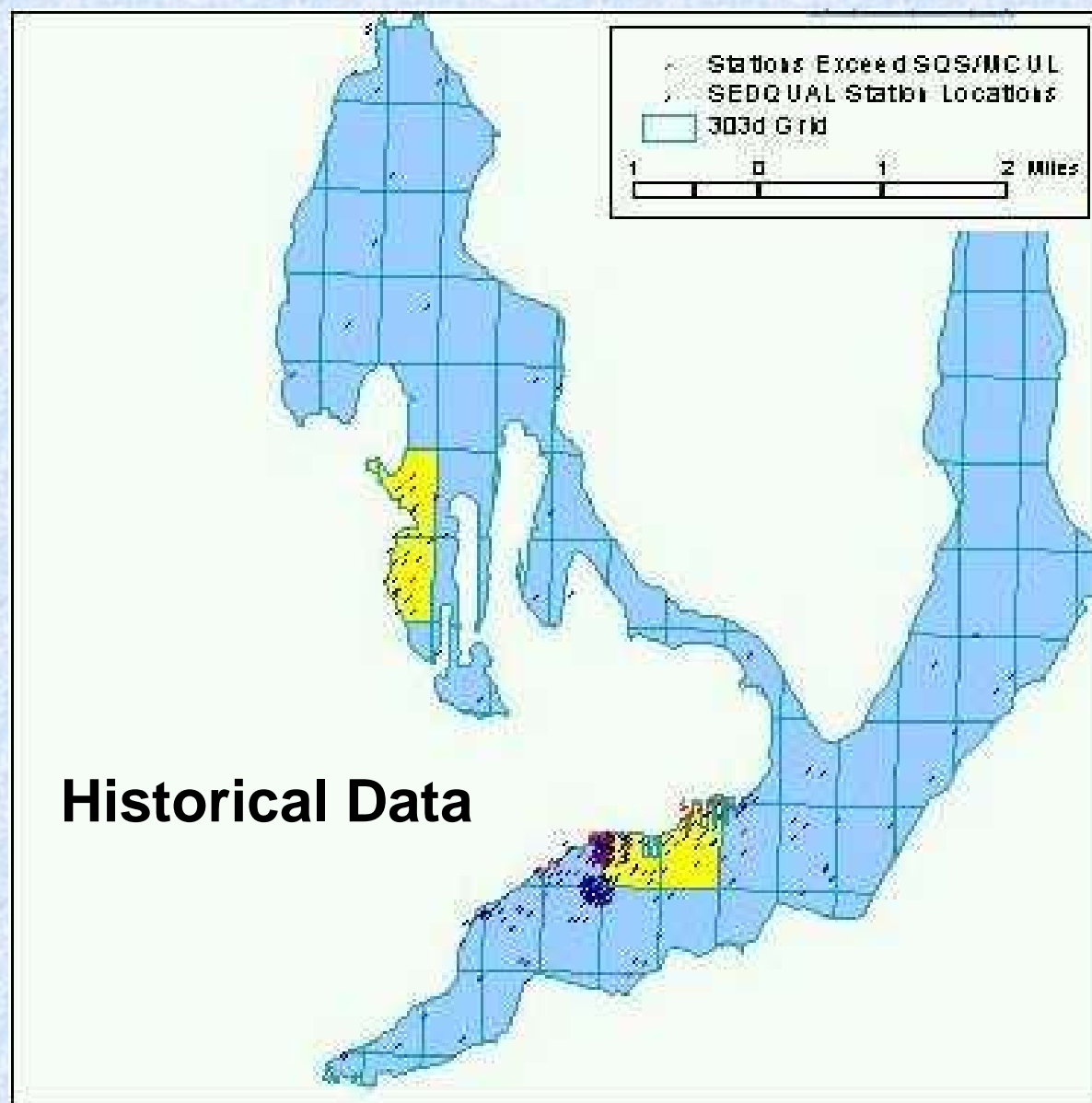
SEDIMENT STUDIES



- **Metals Sediment Verification Sampling Plan** was approved by Ecology in August 2003
- **Sediment sampling** was done in conjunction with the **IR Program** sampling in September 2003



SEDIMENT METALS VERIFICATION STUDIES



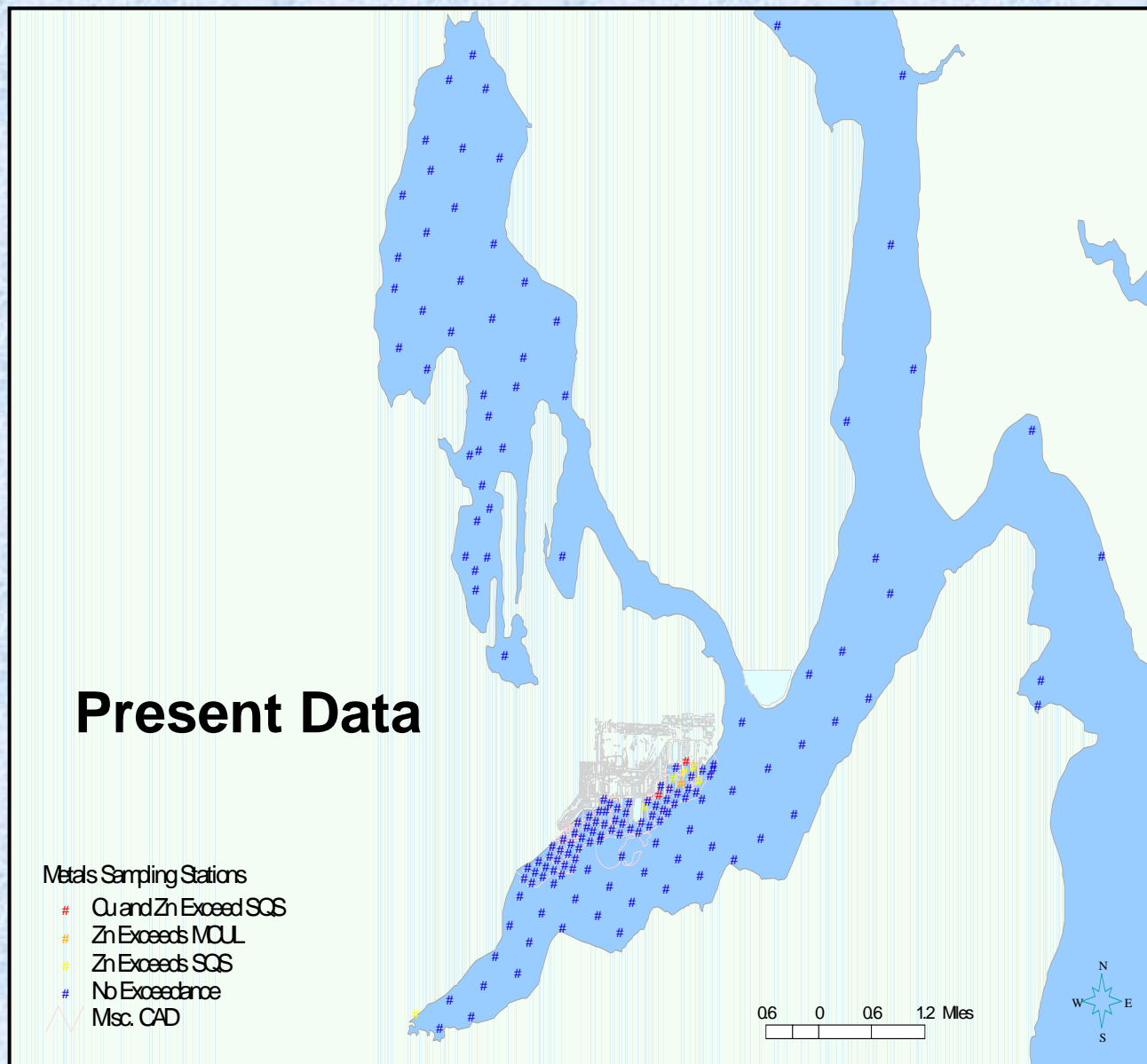


SEDIMENT METALS VERIFICATION STUDIES

Present Data

Metals Sampling Stations

- # Cu and Zn Exceed SQS
- # Zn Exceeds MCL
- # Zn Exceeds SQS
- # No Exceedance
- △ Msc. CAD



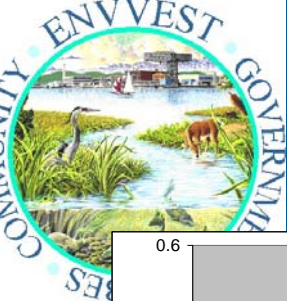


BIOTA STUDIES



- Contaminants in fish tissue is the primary risk driver for surface water and sediment cleanups
- Fish tissue sampling was done in conjunction with the DFW PSAMP sampling in May 2003

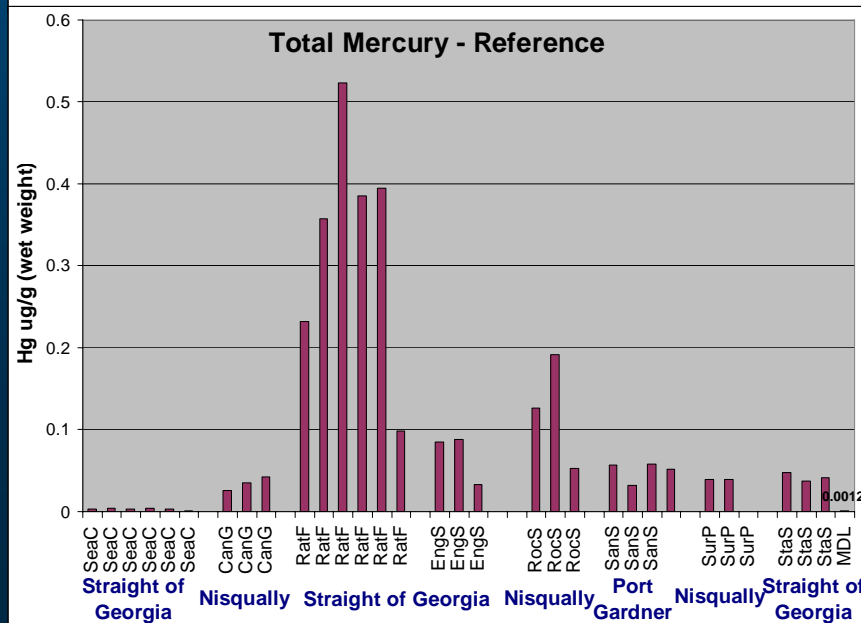
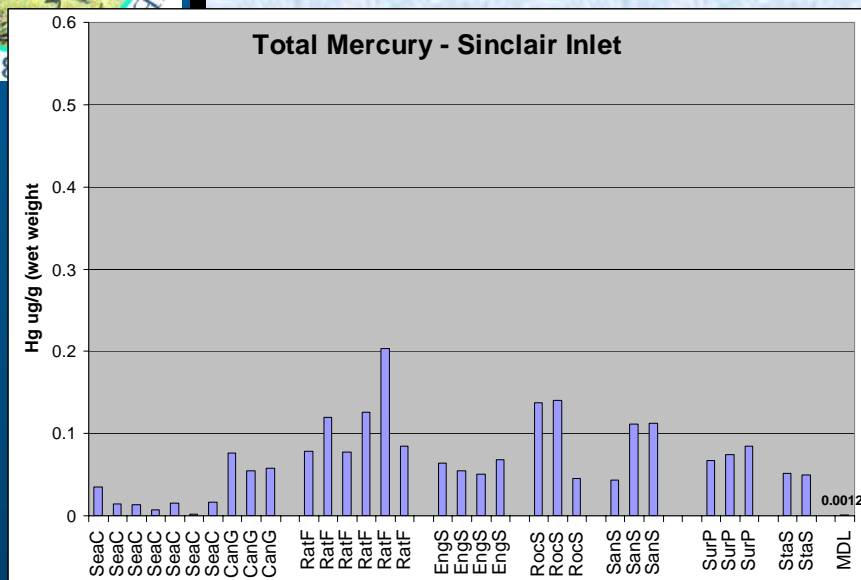




BIOTA STUDIES

GENERAL CONCLUSIONS

- Tissue concentrations generally reflect what is in the sediment
- Mercury levels less
- Copper and other metal levels same
- PCBs levels more





WHERE DO WE GO FROM HERE?

- **Complete FC TMDL Study**
- **Complete the Metals Sediment Verification Report**
- **Develop TMDL Study Plan for Organics**
- **Continue Community participation**